

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 Claim 1 (currently amended): A data processing method comprising:
2 generating, with a client device, a particular form of a client-resident intermediate
3 user interface (UI) for a server-based and client-side controlled application according to
4 a UI format that is based upon a number of device capabilities for said client device,
5 including supplementing a skeletal UI stored in a first memory location with one or more
6 icons, labels or menu items, or combinations thereof, stored in a second memory
7 location;

8 receiving, at said client device, a number of source data items related to said
9 server-based application; and

10 populating at least one native UI control used by said intermediate UI with said
11 number of source data items.

1 Claim 2 (original): A method according to claim 1, wherein said at least one native UI
2 control is associated with an operating system for said client device.

1 Claim 3 (currently amended): A method according to claim 1, further comprising the
2 steps of:

3 generating an action request in response to a manipulation of said intermediate
4 UI by a user of said client device; and

5 updating said intermediate UI in response to said action request.

1 Claim 4 (original): A method according to claim 1, further comprising the steps of:
2 performing an offline action by said client device while said client device operates
3 in a disconnected mode;
4 subsequently establishing a session between said client device and a UI server;
5 and
6 thereafter transmitting, from said client device to said UI server, a command
7 indicative of said offline action.
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1 Claim 5 (original): A method according to claim 1, further comprising the step of saving
2 said number of source data items in a client cache resident at said client device.
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1 Claim 6 (original): A method according to claim 5, further comprising the step of
2 removing client cache items to accommodate said number of source data items.
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1 Claim 7 (original): A method according to claim 6, wherein said removing step
2 selectively removes said client cache items according to a hierarchical preference
3 scheme.
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1 Claim 8 (original): A method according to claim 1, further comprising the steps of:
2 receiving, at said client device, a client action command related to said server-
3 based application; and
4 executing said client action command by said client device.
5

1 Claim 9 (original): A method according to claim 1, wherein said number of source data
2 items received during said receiving step represent a portion of a larger amount of
3 related data available at a UI server.
4

1 Claim 10 (original): A method according to claim 9, wherein:
2 said larger amount of related data comprises a list of items; and
3 said number of source data items represents a subset of said list of items.

1 Claim 11 (original): A method according to claim 9, wherein:
2 said larger amount of related data comprises a document; and
3 said number of source data items represents a portion of said document.
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1 Claim 12 (original): A method according to claim 9, wherein:
2 said larger amount of related data comprises an image; and
3 said number of source data items represents a portion of said image.
4

1 Claim 13 (original): A method according to claim 9, wherein:
2 said larger amount of related data comprises a body of text; and
3 said number of source data items represents a portion of said body of text.
4

1 Claim 14 (currently amended): A method according to claim 1, further comprising the
2 step of retrieving a command script corresponding to a manipulation of a UI control
3 contained in said intermediate UI, said command script being configured for execution
4 by said client device.
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1 Claim 15 (original): A method according to claim 14, further comprising the step of
2 executing, by said client device, said command script in response to the manipulation of
3 said UI control at said client device.
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1 Claim 16 (original): A method according to claim 15, wherein said executing step is
2 performed by said client device in response to an offline manipulation of said UI control
3 at said client device.
4

1 Claim 17 (currently amended): A data processing method comprising:
2 storing a user interface (UI) form definition locally at a client device, said UI form
3 definition being dictated by a number of device capabilities for said client device;
4 said client device saving a number of source data items locally, said number of
5 source data items being related to a server-based application;
6 said client device rendering a UI that is based upon said UI form definition; and
7 said client device populating said UI with said number of source data items, and
8 wherein said number of source data items comprises a smaller subset than a total
9 number of source data items related to said server-based application, and wherein
10 further subsets of said total number of source data items are downloadable based upon
11 execution of one or more client-side controls.
12

1 Claim 18 (original): A method according to claim 17, further comprising the step of
2 receiving, at said client device, said number of source data items from a UI server.
3

1 Claim 19 (original): A method according to claim 17, further comprising the steps of:
2 generating an action request in response to a manipulation of said UI by a user
3 of said client device; and
4 updating said UI in response to said action request.
5

1 Claim 20 (original): A method according to claim 17, further comprising the steps of:
2 performing an offline action by said client device while said client device operates
3 in a disconnected mode;
4 subsequently establishing a session between said client device and a UI server;
5 and
6 thereafter transmitting, from said client device to said UI server, a command
7 indicative of said offline action.
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1 Claim 21 (original): A method according to claim 17, wherein said saving step saves
2 said number of source data items in a client cache resident at said client device.
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1 Claim 22 (original): A method according to claim 21, further comprising the step of
2 removing client cache items to accommodate said number of source data items.
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1 Claim 23 (original): A method according to claim 22, wherein said removing step
2 selectively removes said client cache items according to a hierarchical preference
3 scheme.
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1 Claim 24 (original): A method according to claim 21, further comprising the steps of:
2 updating said UI in response to a manipulation of a display control rendered by
3 said client device;
4 requesting an additional number of source data items if said manipulation of said
5 display control triggers a data request command; and
6 replacing source data items saved in said client cache with said additional
7 number of source data items.
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1 Claim 25 (original): A method according to claim 21, further comprising the steps of:
2 updating said UI in response to a manipulation of a display control rendered by
3 said client device;
4 retrieving additional source data items from said client cache in response to said
5 manipulation of said display control; and
6 displaying said additional source data items in said UI.
7

1 Claim 26 (original): A method according to claim 17, further comprising the steps of:
2 receiving, at said client device, a client action command related to said server-
3 based application; and
4 executing said client action command by said client device.
5

1 Claim 27 (original): A method according to claim 17, wherein said UI form definition is
2 dictated by said server-based application.

1 Claim 28 (original): A method according to claim 17, wherein said UI form definition
2 identifies at least one native UI control stored locally at said client device.

1 Claim 29 (original): A method according to claim 17, wherein said number of source
2 data items saved during said saving step represents a portion of a total number of
3 source data items available via a UI server.

1 Claim 30 (original): A method according to claim 29, further comprising the steps of:
2 said client device generating a request for additional source data items; and
3 said client device receiving, from said UI server, a subsequent portion of said total
4 number of source data items.

1 Claim 31 (original): A method according to claim 30, wherein said client device
2 generates said request in response to a manipulation of said UI control.

1 Claim 32 (currently amended): A data processing method comprising:
2 obtaining a user interface (UI) form definition for a server-based application,
3 where said UI form definition is based upon a number of device capabilities for a client
4 device;

5 said client device receiving an instruction to render a particular UI form of a
6 client-resident intermediate UI corresponding to said UI form definition;

7 said client device rendering said particular UI form with at least one native UI
8 control associated with an operating system for said client device, including
9 supplementing a skeletal UI stored in a first memory location with one or more icons,
10 labels or menu items, or combinations thereof, stored in a second memory location;

11 said client device obtaining a number of data items related to said server-based
12 application; and

13 said client device displaying said number of data items in said at least one
14 native UI control.

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1 Claim 33 (original): A method according to claim 32, further comprising the step of
2 saving said number of data items in a client cache resident at said client device.

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1 Claim 34 (original): A method according to claim 33, further comprising the step of
2 retrieving said number of data items from said client cache prior to said displaying step.

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1 Claim 35 (original): A method according to claim 32, further comprising the step of
2 requesting said number of data items in response to a manipulation of said at least one
3 native UI control.

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1 Claim 36 (currently amended): A client device architecture for use with a client device
2 capable of communicating with a data processing server, said client device architecture
3 comprising:

4 a receive module configured to receive an instruction that identifies a user
5 interface (UI) form definition;

6 an operating system;

7 a number of native UI controls provided by said operating system;

8 a UI form data cache configured to store said UI form definition; and

9 a UI module configured to generate a particular UI form of a client-resident
10 intermediate UI for a server-based application according to said UI form definition,
11 including supplementing a skeletal UI stored in a first memory location with one or more
12 icons, labels or menu items, or combinations thereof, stored in a second memory
13 location, and to populate at least one of said native UI controls with a number of source
14 data items associated with said server-based application.

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1 Claim 37 (original): A client device architecture according to claim 36, further
2 comprising a client cache configured to store said number of source data items.

1 Claim 38 (original): A client device architecture according to claim 37, further
2 comprising a cache management module configured to remove items stored in said
3 client cache to accommodate said number of source data items.

1 Claim 39 (original): A client device architecture according to claim 38, wherein said
2 cache management module is further configured to selectively remove said items
3 according to a hierarchical preference scheme.

1 Claim 40 (currently amended): A client device architecture according to claim 37,
2 further comprising a cache management module associated with said client cache,
3 wherein:

4 said UI module is further configured to update said intermediate UI in response to
5 manipulation of a display control rendered in connection with said intermediate UI;

6 said cache management module is configured to request an additional number of
7 source data items from a remote UI server if said manipulation of said display control
8 triggers a data request command; and

9 said cache management module is further configured to replace source data
10 items saved in said client cache with said additional number of source data items.

1 Claim 41 (currently amended): A client device architecture according to claim 37,
2 further comprising a cache management module associated with said client cache,
3 wherein:

4 said UI module is further configured to update said intermediate UI in response to
5 manipulation of a display control rendered in connection with said intermediate UI;

6 said cache management module is configured to retrieve an additional number of
7 source data items from said client cache in response to said manipulation of said
8 display control; and

9 said UI module is further configured to display said additional source data items
10 in said intermediate UI.

1 Claim 42 (original): A client device architecture according to claim 36, wherein said
2 receive module is further configured to receive said number of source data items from a
3 remote UI server.

1 Claim 43 (original): A client device architecture according to claim 36, wherein said
2 receive module is further configured to receive said UI form definition from a remote UI
3 server.

1 Claim 44 (original): A client device architecture according to claim 36, wherein said UI
2 form definition is based upon a number of device capabilities for said client device.

1 Claim 45 (new): A client device architecture for use with a client device capable of
2 communicating with a data processing server, said client device architecture
3 comprising:

4 a receive module configured to receive an instruction that identifies a user
5 interface (UI) form definition;

6 an operating system;

7 a number of native UI controls provided by said operating system;

8 a UI form data cache configured to store said UI form definition; and

9 a UI module configured to generate a UI for a server-based application according
10 to said UI form definition, and to populate at least one of said native UI controls with a
11 number of source data items associated with said server-based application, and

12 wherein said number of source data items comprises a smaller subset than a
13 total number of source data items related to said server-based application, and wherein
14 further subsets of said total number of source data items are downloadable based upon
15 execution of one or more client-side controls.

1 Claim 46 (new): A client device architecture according to claim 45, further comprising a
2 client cache configured to store said number of source data items.

1 Claim 47 (new): A client device architecture according to claim 46, further comprising a
2 cache management module configured to remove items stored in said client cache to
3 accommodate said number of source data items.

1 Claim 48 (new): A client device architecture according to claim 47, wherein said cache
2 management module is further configured to selectively remove said items according to
3 a hierarchical preference scheme.

1 Claim 49 (new): A client device architecture according to claim 46, further comprising a
2 cache management module associated with said client cache, wherein:

3 said UI module is further configured to update said UI in response to
4 manipulation of a display control rendered in connection with said UI;

5 said cache management module is configured to request an additional number of
6 source data items from a remote UI server if said manipulation of said display control
7 triggers a data request command; and

8 said cache management module is further configured to replace source data
9 items saved in said client cache with said additional number of source data items.

10
1 Claim 50 (new): A client device architecture according to claim 46, further comprising a
2 cache management module associated with said client cache, wherein:

3 said UI module is further configured to update said UI in response to
4 manipulation of a display control rendered in connection with said UI;

5 said cache management module is configured to retrieve an additional number of
6 source data items from said client cache in response to said manipulation of said
7 display control; and

8 said UI module is further configured to display said additional source data items
9 in said UI.

1 Claim 51 (new): A client device architecture according to claim 45, wherein said
2 receive module is further configured to receive said number of source data items from a
3 remote UI server.

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1 Claim 52 (new): A client device architecture according to claim 45, wherein said
2 receive module is further configured to receive said UI form definition from a remote UI
3 server.

4
1 Claim 53 (new): A client device architecture according to claim 45, wherein said UI
2 form definition is based upon a number of device capabilities for said client device..